

**State of California
AIR RESOURCES BOARD**

Research Screening Committee Meeting

**Cal/EPA Headquarters Building
1001 I Street
Conference Room 510
Sacramento, California 95814
(916) 445-0753**

**June 9, 2004
11:00 a.m.**

ADVANCE AGENDA

Interagency Proposal

- 1. “Characterization and Quantification of Emissions From Office Machines,” University of California, Berkeley (Co-funded by CEC), \$799,732, Proposal No. 2551-243.**

There is growing recognition that a number of potentially harmful pollutants are emitted from office equipment. However, only limited work has been done to date to try to characterize the pollutant types and emission rates from this equipment. The purpose of this study is to collect data that can be used to assess the health impacts of emissions from office equipment. This study would be funded through the California Energy Commission’s Public Interest Energy Research (PIER) Program and administered by ARB.

The specific objectives of the study are to measure emissions from personal computers (PCs) and printers in a controlled chamber environment, to determine the primary temporal and operational factors which influence emissions from this equipment, to investigate the relationship between energy consumption and emissions for PCs and printers, and to identify mitigation measures that operators can take to reduce emissions and exposures from PCs and printers.

The office equipment to be tested includes desktop computers (CPU units), computer displays (both CRT and flat-panel LCD display), and desktop printing devices of four categories. The printer categories are: 1) ink jet printers and multifunctional units, 2) lower-output monochrome laser printers and multifunctional units, 3) higher-output monochrome laser printers, and 4) color laser printers including both low and high output units.